

WHAT IS CLAIMED IS:

- 1 1. A box-assembly device, comprising:
2 a first locking part having two faces forming a first opening configured to
3 receive an edge of a panel at a corner of a box to be constructed; and
4 a second locking part that is integrated with an end of the first locking part
5 into a single body, where the second locking part has two faces forming a second
6 opening configured to receive an edge of another panel at the corner of the box,
7 wherein the first and second openings are oriented in the same direction.
- 1 2. The box-assembly device according to claim 1, wherein the first and second
2 locking parts are integrated with each other at substantially a right angle into the
3 single body.
- 1 3. The box-assembly device according to claim 1, wherein the first and second
2 locking parts are integrated with each other at substantially an obtuse angle into the
3 single body.
- 1 4. The box-assembly device according to claim 1 or 3, wherein each of the first
2 and second locking parts are provided with a plurality of compression ridges on inner
3 surfaces thereof so as to increase a locking force thereof on the panels.
- 1 5. The box-assembly device according to claim 4, wherein a locking hole is
2 formed on an outer surface of at least one of the two faces of the first and second
3 locking parts.
- 1 6. The box-assembly device according to claim 4, wherein a locking projection is
2 formed on an outer surface of at least one of the two faces of the first and second
3 locking parts.

1 7. The box-assembly device according to claim 4, wherein a locking hole is
2 formed on an outer surface of one of the two faces of the first and second locking
3 parts, while a complementary locking projection is formed on an outer surface of the
4 two faces of a remaining locking part.

5 8. A box-assembly, comprising:
6 a first locking part having two substantially parallel first locking part faces
7 configured for receiving a panel therebetween;
8 a second locking part having another two substantially parallel faces
9 configured for receiving another panel therebetween;
10 a locking hole formed in an outer one of said first locking part faces; and
11 a locking projection formed on an outer one of said second locking part faces,
12 wherein said locking projection and said locking hole have complementary
13 dimensions.

14 9. The box-assembly according to claim 8, wherein inner sides of said first and
15 second locking part faces have a plurality of compression ridges to help secure said
16 panels to said first and second locking parts.

17 10. The box-assembly according to claim 8, wherein an angle formed between
18 said first locking part and said second locking part is an obtuse angle.